

No need to stop MACHINES



**Centralised Automatic Lubrication Systems & Greasing SPM, Oiling SPM, for Auto Industries and Others..**

**A Source of Complete Oil & Grease Lubrication Solutions**



Managing Director



## COMPANY PROFILE (Since 2009)

**Lubsa Multilub Systems Pvt. Ltd.** is one of the extra ordinary manufacturers of Oil & grease Lubrication Systems & Hydraulic power pack & other assembly metric pump for enabling plant, special purpose machine for greasing, oiling application & Other P.V.C. liquid pump for bottle food packing cover in national & international markets. We are an **ISO 9001:2015 certified organization**. The most important fact about the firm is that they always wishes to do extraordinary compared to other firms. This fact mostly keeps them ahead of their competitors by a huge margin. Apart from the quality products manufacturing firm also keeps their rates very reasonable so that nobody has to choose between quality & prices. We are believed on the product quality and client satisfaction. The honorable Managing Director Mr. **A. K.Yadav** is very dynamic and dedicated persons with high level of determination.

Leveraging on our manufacturing facility, we are able to fabricate a wide range of centralized lubrication system for meeting the requirements of oil and grease in diverse industries.

Furthermore, we also have with us an experienced team who assist us in designing and developing our range as per the specific requirements of the customers. With the help of our expert team, we are providing erection and commissioning services to our customers. The best value is also enhanced by **Lubsa** wide customer service network guaranteed fast delivery, rapid response, local back-up, as well as by wide service network supporting the after sales service.

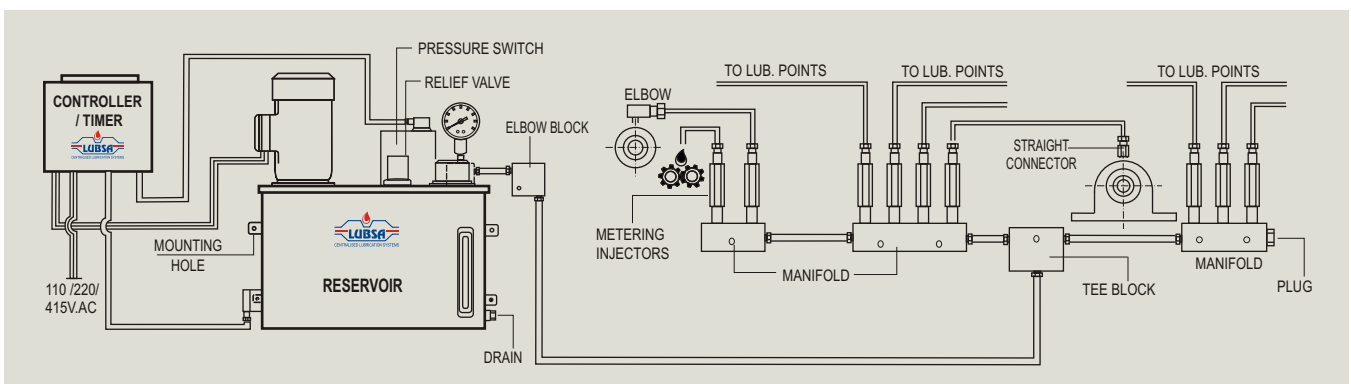
- PROLONGED LIFE OF MACHINE.
- MORE PRODUCTION.
- MORE RELIABILITY.
- NO HUMAN ERROR.
- OPTIMUM LUBRICANT TO EACH POINT.
- LESS CONSUMPTION OF LUBRICANT.
- LOW NOISE LEVEL.
- LESS POWER CONSUMPTION.
- LESS WEAR & TEAR.
- SAFE NO NEED TO STOP MACHINE.

## DESIGN FACILITY - SOLID WORK SOFTWARE

**Centralised lubrication system can be adopted on any machine particularly:-**

- ◆ Machine Tools
- ◆ Textile machines
- ◆ Packaging equipment
- ◆ Presses and Hammers
- ◆ Pulp & paper processing machines
- ◆ Food Processing equipment
- ◆ Wood working machine
- ◆ Knitting machine
- ◆ Pharmaceutical machines
- ◆ Stone processing machines
- ◆ Printing machine
- ◆ Forzing plants
- ◆ SPM machine
- ◆ Injection/Blow moulding machine
- ◆ Pouch malcium/filling machine
- ◆ Bottle forming /filling washing machine
- ◆ Sheet metal working machine
- ◆ Shearing and press brakes
- ◆ Die casting machine
- ◆ Rubber making machine
- ◆ Metal forms machine
- ◆ Calendering machine
- ◆ Cement plants
- ◆ Sugar plants
- ◆ Rolling mill machine
- ◆ Wire drowing machine

## INSTALLATION LAYOUT







CENTRALISED LUBRICATION SYSTEMS

# CERTIFICATION

Page 2 of 3

संयुक्त सरकार  
GOVERNMENT OF INDIA  
संयुक्त विद्युत खाता विभाग  
MINISTRY OF COMMERCE AND INDUSTRY  
O/O ADDITIONAL DIRECTOR GENERAL OF FOREIGN TRADE  
आर आर विंग नई दिल्ली  
CENTRAL LICENSING AREA 'A' WING NEW DELHI-110002

आर आर विंग नई दिल्ली  
CERTIFICATE OF IMPORTER-EXPORTER CODE (IEC)

1. नाम/Name: LUBSA MULTILUB SYSTEMS PVT. LTD.,  
H. NO. 187D, DABUA GAUJIPUR ROAD, NEAR BHARDWAJ MEDICAL STORE NIT FARIDABAD (HARYANA) 121001

2. पता/Address: H. NO. 187D, DABUA GAUJIPUR ROAD, NEAR BHARDWAJ MEDICAL STORE NIT FARIDABAD (HARYANA) 121001

3. प्रमाणित करने वाले का फोटो/Portrait Photo of the person whose photograph has been affixed on this Certificate

4. शाखाएं/branches का पता/Address of the branch(es) if any: NIL

5. आईसीएन/IEC Number: 0513035858

6. जारी करने की तिथि/Date of Issue: 31.07.2015

7. जारी करने की जगह/Place: New Delhi

आर आर विंग नई दिल्ली, भारत  
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भारत सरकार/Government of India  
संयुक्त विद्युत खाता/Ministry of Commerce & Industry  
संयुक्त विद्युत विभाग/Department of Commerce  
O/O ADDITIONAL DIRECTOR GENERAL OF FOREIGN TRADE  
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आर आर विंग नई दिल्ली

Certificate of Registration

This is to Certify That  
The Quality Management System of

LUBSA MULTILUB SYSTEMS PVT. LTD.

HEAD OFFICE: PLOT NO. 187D, DABUA GAUJIPUR ROAD, NEAR BHARDWAJ MEDICAL STORE, NIT, FARIDABAD - 121 001 (HARYANA), INDIA  
WORKS: PLOT NO. 14, VILAGE BAUN, NEAR PAUL CHECK, FRONT OF SHREE SIVAM PETROL PUMP, RAJ LARGAHER, SOHNA ROAD NIT FARIDABAD (HARYANA), INDIA

has been assessed and found to conform to the requirements of  
**ISO 9001:2015**  
for the following scope:

MANUFACTURING OF CENTRALISED LUBRICATION OIL & GREASE, METRIC PUMP FOR ENAMLING PLANT, COPPER, ALUMINIUM HYDROLYCS POWDER, PACK, SPM & PVS PUMPS

Certificate No: 180000018  
Issued/Registration Date: 16/07/2015  
Date of Expiry: 15/01/2018  
In Surve. Date: 16/12/2015  
Issuance Date: 16/07/2015  
2nd Surve. Date: 16/12/2015

ISO 9001:2015

ROHS  
IAF  
DAC  
LUBSA

ROHS Certification Pvt. Ltd.

NSIC  
राष्ट्रीय लघु उद्योग निगम लिमिटेड  
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED  
S.No. FAR-XXXX240

GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE

Ref No: NSIC/PUR/AR/2015/44234

M/s. LUBSA MULTILUB SYSTEMS PVT. LTD.  
Factory Address: Plot No. 187, Village Baun, Near Paul Check, Opp. Shree Sivan Petrol Pump, Sohna Road, NIT Faridabad, Haryana-121001

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Complain and suggestion, email : info@lubsa.co.in

## OUR MAJOR CUSTOMER

## MAJOR EXPORT SALES IN BELOW COUNTRY



BHUTAN



ISRAEL



MALAYSIA



SOUTH AFRICA



SOUTH YEMEN



USA

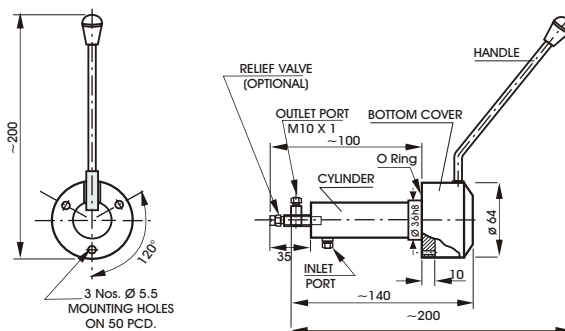


## HAND OPERATED PISTON PUMPS

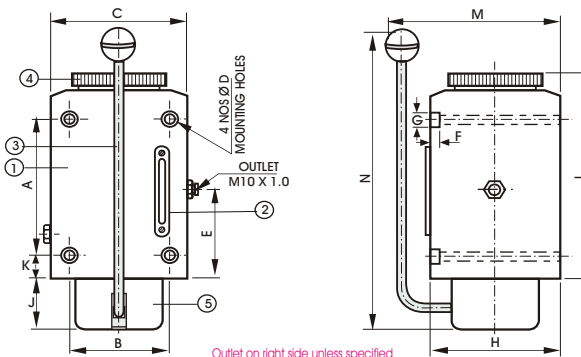
These pumps are suitable for manual centralized lubrication system of light duty automatic machines such as small power presses, packing machines, milling machines, single spindle automats, looms, surface grinders, pouch fillings machines etc. Normally these pumps are suitable for 2-40 lubricant points. These pumps are very simple in construction. The construction is spring return piston type the piston is operated by pulling a cam handle. The other salient features are strainer at the inlet port, a pressure reducing system which is very important for proper operation of metering cartridges. Always fill clean oil to get better life and trouble free operation of these pumps. It is not recommended to operate dry pumps. Pumps are suitable for oil with viscosity range 40-1000cst.



### MODEL LMH-7



### MODEL LMH-250-4, LMH-600-6, LMH-2000-10



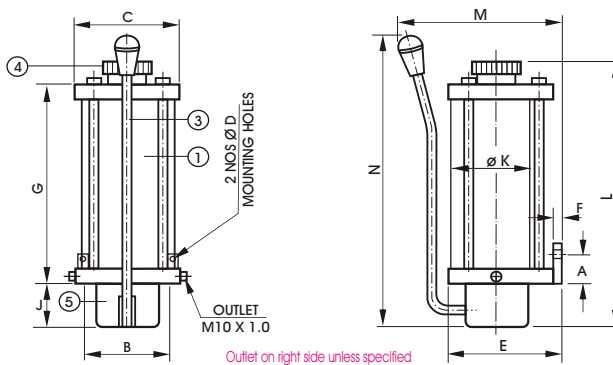
#### Technical Specifications

MODEL	Reservoir Cap.	Discharge	Pr. Setting	A	B	C	D	E	F	G	H	J	K	L	M	N
LMH 250-4	0.25 Ltr.	4cc / Stroke	12 Kg. / Cm <sup>2</sup>	-	55	70	7	60	7	11	70	42	20	120	115	160
LMH 600-6	0.60 Ltr.	6cc / Stroke	15 Kg. / Cm <sup>2</sup>	120	80	100	7	70	7	11	90	50	15	165	140	160
LMH 2000-12	2.00 Ltr.	12cc / Stroke	20 Kg. / Cm <sup>2</sup>	170	100	130	9	70	10	14	115	60	15	265	166	325

Dimensions in mm.



### MODEL LMHT-400-5 (LX), to LMHT-2000-12 (LX)



#### Technical Specifications

MODEL	Reservoir Cap.	Discharge	Pr. Setting	A	B	C	D	E	F	G	J	K	L	M	N
LMHT 400-5 (LX)	0.25 Ltr.	4cc / Stroke	12 Kg. / Cm <sup>2</sup>	28	67	90	7	110	10	132	45	75	185	145	200
LMHT 600-6 (LX)	0.60 Ltr.	6cc / Stroke	12 Kg. / Cm <sup>2</sup>	44	105	110	7	120	8	190	50	90	260	175	245
LMHT 1000-7 (LX)	1.00 Ltr.	7cc / Stroke	12 Kg. / Cm <sup>2</sup>	44	105	110	7	120	8	240	50	90	310	175	355
LMHT 1500-7 (LX)	1.50 Ltr.	7cc / Stroke	15 Kg. / Cm <sup>2</sup>	32	-	-	-	-	-	-	-	-	-	-	-
LMHT 2000-12 (LX)	2.00 Ltr.	12cc / Stroke	20 Kg. / Cm <sup>2</sup>	36	-	-	-	-	-	-	-	-	-	-	-

Dimensions in mm.

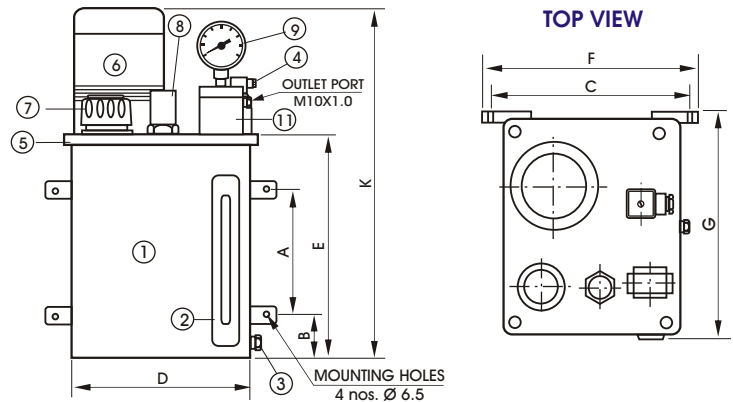
Parts Name : 1. Reservoir 2. Oil window 3. Handle 4. Top cover 5. Bottom cover

## AUTOMATIC LUBRICATION SYSTEMS

Motorised lubrication units are electric motor driven pumps along with reservoir, oil filler, suction stainer, pressure relief valve, bleed valve etc. And are suitable for single shot automatic oil lubrication. These motorised lubrication units are to be run intermittently, During motor 'ON' period (normally 5 sec) all metering cartridges eject out required amount of oil at various points of the machine. And during motor 'OFF' period (decided by lubrication frequency min.1 minute) these metering cartridges get recharged for next lubrication cycle. These units do not require any return line connection as metered amount of oil is lost in normal running of the machine.



### MODEL LMLS-03, LMLU-03

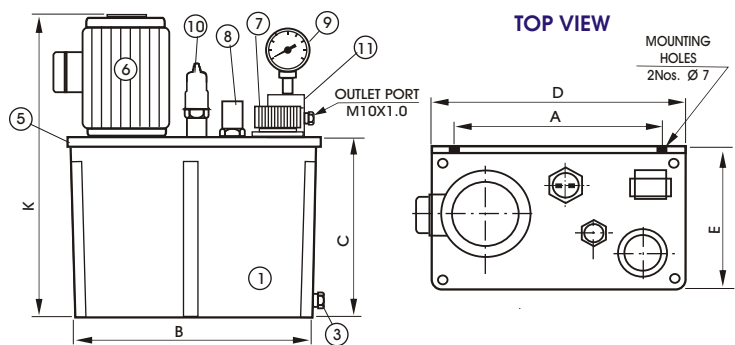


Dimensions in mm.

MODEL	Reservoir Cap.	A	B	C	D	E	F	G	K
LMLS - 03	3 Litres	100	40	170	150	190	195	180	320
LMLU - 03	3 Litres	100	40	170	150	190	195	190	325



### MODEL LMCLS-2900(LX), LMCLU-2900(LX)

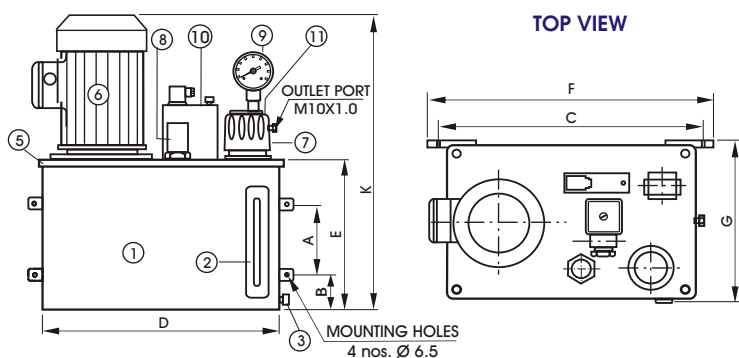


Dimensions in mm.

MODEL	Reservoir Cap.	A	B	C	D	E	K
LMCLS-2900 (LX)	2.9 Litres	195	200	155	215	145	285
LMCLU-2900 (LX)	2.9 Litres	195	200	155	215	145	290



### MODEL LMLU-05, LMLU-08



Dimensions in mm.

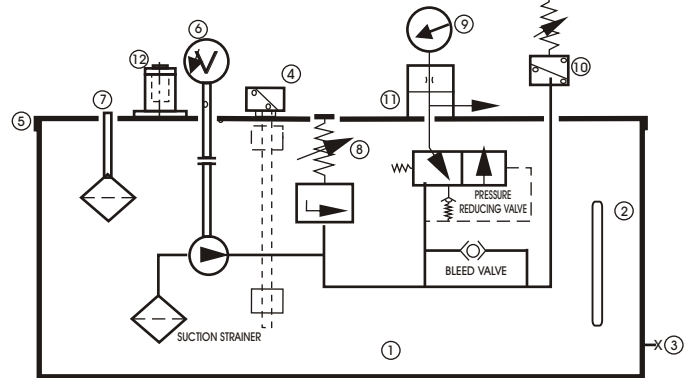
MODEL	Reservoir Cap.	A	B	C	D	E	F	G	K
LMLU - 05	5 Litres	100	40	310	285	185	310	170	375
LMLU - 08	8 Litres	100	50	330	300	200	355	200	385

## AUTOMATIC LUBRICATION SYSTEMS

**MODEL LMLU-20 / 30 / 50 / 100**



### SCHEMATIC CIRCUIT



### Parts Name

- |                  |                    |                           |                       |
|------------------|--------------------|---------------------------|-----------------------|
| 1 Reservoir      | 2 Oil Level Gauge  | 3 Drain Plug              | 4 Float Switch        |
| 5 Top Plate      | 6 Motor            | 7 Oil Filler Cum Breather | 8 Relief Valve        |
| 9 Pressure Gauge | 10 Pressure Switch | 11 Junction Block         | 12 Return Line Filter |

### Technical Specifications :-

MODEL	Reservoir	Discharge	Motor Rpm 1500 (syn)	Pressure Setting	Pressure Switch	Float Switch
LMLS - 03	3 Ltrs.	1.0 LPM	0.10 Kw, 230V AC. Single Phase	15 kg/Cm <sup>2</sup>	-	-
LMLU - 03	3 Ltrs.	1.0 LPM	0.09 Kw, 415V AC. 4Pole, 3 Phase	15 kg/Cm <sup>2</sup>	(Optional) 1NO+1NC or NO or NC Contacts, (For line oil pressure indication)	(Optional) Top ON, Bottom ON NO or NC or 1NO+1NC contacts (For oil low / high level indication)
LMCLS-2900 (LX)	2.9 Ltrs.	1.0 LPM	0.10 Kw, 230V AC. Single Phase	12 kg/Cm <sup>2</sup>		
LMCLU-2900 (LX)	2.9 Ltrs.	1.0 LPM	0.09 Kw, 415V AC. 4Pole, 3 Phase	15 kg/Cm <sup>2</sup>		
LMLU - 05	5 Ltrs.	1.0 LPM	0.18 Kw, 415V AC. 4Pole, 3 Phase	20 kg/Cm <sup>2</sup>		
LMLU - 08	8 Ltrs.	2.5 LPM	0.18 Kw, 415V AC. 4Pole, 3 Phase	25 kg/Cm <sup>2</sup>		
LMLU - 20	20 Ltrs.	2.5 LPM	0.18 Kw, 415V AC. 4Pole, 3 Phase.	25 kg/Cm <sup>2</sup>		
LMLU - 30	30 Ltrs.	2.5 LPM	0.37 Kw, 415V AC. 4Pole, 3 Phase.	25 kg/Cm <sup>2</sup>		

**NOTE :** \* All above unit suitable for oil viscosity range 50-500 cst. \* Lubrication unit Reservoir (Ltrs.) & Discharge (LPM) Available as per customer requirement.

## ELECTRONIC TIMER

The Electronic Timer are used for time controlling of lubrication systems. There are different models used for different applications. Following models are under our regular production.



### Technical Specification

MODEL	MOUNTING	DESCRIPTION
LM ET-501	Wall	ON time-5 sec. (Fixed) & OFF time 2-128 min (Adjustable)
LM ET-502	Panel	ON time-5 sec. (Fixed) & OFF time 1-240 min (Adjustable)
LM ET-503 Cyclic	Panel	ON / OFF time -0 Mili sec. To 100 Hours (Adjustable)
LM ET-504 ON / OFF Delay	Panel	ON / OFF Delay time-0 Mili sec. To 100 Hours (Adj.)

## ELECTRONIC CONTROLLERS

These are used in the lubrication systems where pressure switch/ float switch are provided for sensing the pressure and low oil level. In the controllers indicator for Pressure & Low oil level sensing are provided. ON time is 5 sec. Fixed and OFF Time is 2 to 240 min. Adjustable.

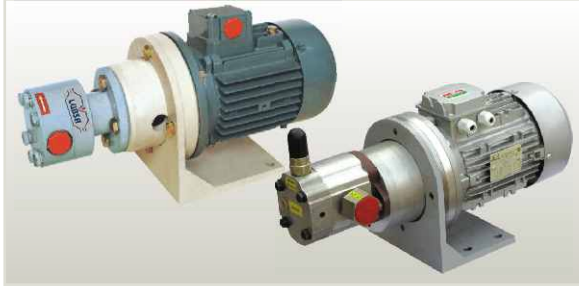


### Technical Specification

MODEL	DESCRIPTION
LM EC -1001 X W (Wall mounting)	ON time-5 sec (Fixed) OFF time 2, 4, 8, 15, 30, 60, 120, 240 min. (Adj.) with lubrication fault- oil low level indication.
LM EC -1002 X W (Panel mounting)	ON time-5 sec (Fixed) OFF time 2, 4, 8, 15, 30, 60, 120, 240 min. (Adj.) with lubrication fault- oil low level indication (built in contactor)

## MOTOR PUMP ASSEMBLY

Motor pump assembly is used for oil lubrication especially where continuous and high dosage of oil is required. It is also applied under oil circulation systems. It is used almost in all machines where free flow of oil is required. The different specification is available with different model. The rotation of motor pump assembly is indicated on the label. Four mounting holes are provided to mount the system.



### Technical Specification

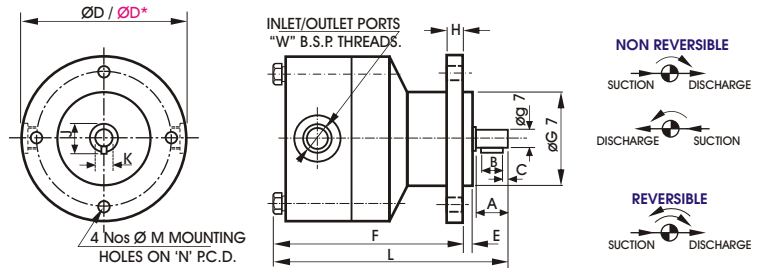
MODELS	Discharge	Max. Pressure	Motor Flange Mounted
LMP - 1	1 Litres per minute	25Kg/Cm <sup>2</sup>	0.25 HP, 415V, AC1500rpm.
LMP - 3	3 Litres per minute	20Kg/Cm <sup>2</sup>	0.25 HP, 415V, AC1500rpm.
LMP - 6	6 Litres per minute	15Kg/Cm <sup>2</sup>	0.50 HP, 415V, AC1500rpm.
LMP - 10	10 Litres per minute	12Kg/Cm <sup>2</sup>	1.00 HP, 415V, AC1500rpm.
LMP - 16	16 Litres per minute	10Kg/Cm <sup>2</sup>	1.50 HP, 415V, AC1500rpm.
LMP - 25	25 Litres per minute	8Kg/Cm <sup>2</sup>	2.00 HP, 415V, AC1500rpm.
LMP - 40	40 Litres per minute	5Kg/Cm <sup>2</sup>	3.00 HP, 415V, AC1500rpm.

## ROTARY PUMPS

ROTARY PUMPS are gerotor type pumps with positive displacement of oil. On the basis of construction they are of two types, flange type and insert type. Function wise these pumps can be classified into two types non reversible and reversible. Non reversible pumps are rotates only on one direction indicated by an arrow where as the reversible pumps are rotates on either direction, clock-wise and anti-clock-wise.



### FLANGE MOUNTING ROTARY PUMPS (Non Reversible / Reversible)

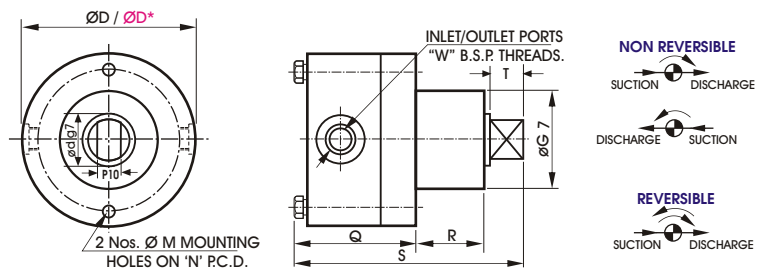


Dimensions in mm

MODEL	Discharge at 1500 RPM	A	B	C	$\varnothing D / \varnothing D^*$	$\varnothing d$	E	F	$\varnothing G$	H	J	K	L	M	N	"W" in BSP
LRP-0.5	0.5 LPM	16	12	2	50 / 60	7	2	55	30	5	9	2	71	5	39	1/8
LRP-1	1 LPM	22	16	3	60 / 70	10	2	70	35	7	11.5	3	95	6.5	47.5	1/4
LRP-3	3 LPM	22	16	3	60 / 70	10	2	75	35	7	11.5	3	100	6.5	47.5	1/4
LRP-6	6 LPM	30	18	6	80 / 92	12	3	95	45	10	14	4	130	8.5	65	1/4-3/8
LRP-10	10 LPM	30	18	6	80 / 92	12	3	105	45	10	14	4	140	8.5	65	1/4-3/8
LRP-16	16 LPM	40	25	7	115 / 135	14	4	120	65	14	16	5	165	9	95	1/2"
LRP-25	25 LPM	40	25	7	115 / 135	14	4	135	65	15	16	5	180	9	95	3/4"
LRP-40	40 LPM	40	25	7	115 / 135	14	4	150	65	15	16	5	200	9	95	1"



### INSERT TYPE ROTARY PUMPS (Non Reversible / Reversible)



Dimensions in mm

MODEL	Discharge at 1500 RPM	$\varnothing D / \varnothing D^*$	$\varnothing d$	$\varnothing G$	M	N	P	Q	R	S	T	"W" in BSP
LRP-1	1 LPM	60 / 70	10	35	6.5	47.5	6	48	24	83	10	1/4
LRP-3	3 LPM	60 / 70	10	35	6.5	47.5	6	53	24	88	10	1/4
LRP-6	6 LPM	80 / 92	12	45	8.5	65	7	65	33	103	12	1/4-3/8
LRP-10	10 LPM	80 / 92	12	45	8.5	65	7	75	33	122	12	1/4-3/8



## PNEUMATIC OPERATED OIL PUMPS

LUBSA pumps are piston type pump and used for automatic lubrication with the help of hydraulic/ pneumatic power. These pumps are operated intermittently with the help of direction control valve and timer.



### Technical Specification

MODEL	DESCRIPTION
LPn-600-6	The reservoir cap. is 0.6 Ltr. Discharge/stroke is 6cc. Input Pneumatic pressure 4-6Kg / cm <sup>2</sup> . Output oil pressure 15Kg / cm <sup>2</sup> .
LPn-2000-10	The reservoir cap. is 2 Ltr. Discharge/stroke is 10cc. Input Pneumatic pressure 4-6Kg / cm <sup>2</sup> . Output pressure 25Kg / cm <sup>2</sup> .
L Pn-3000-12	The reservoir cap. is 3 Ltr. Discharge/stroke is 12cc. Input Pneumatic pressure 4Kg / cm <sup>2</sup> . Output pressure setting is 25Kg / cm <sup>2</sup> .

**NOTE :** \* All above pump suitable for oil viscosity range 50-500 cst.

## PNEUMATIC/ELECTROPNEUMATIC GREASE PUMP/DISPENSER

### APPLICATION

The pneumatic grease pump is suitable for grease lubrication ( slide, brass bush, Lm guide, Lm screw, bearing and other moving parts of machines. Such as milling machine, rolling machine, presses & hammers, rubber processing machine, die casting machine, furnaces etc. This pump is suitable for low viscosity grease . For distribution we used progressive blocks through this pump. Electropneumatic grease dispenser use for metering quantity dispense with high viscosity grease and mostly use in auto industries greasing application. (No any air trapping in this pump)

### WORKING

Pneumatic grease pump are operated through pneumatic line, connected to the ports of pneumatic cylinder. The cylinder is built in with the pump housing. During on period of the pneumatic line a piston inside the cylinder is pushed ejecting out grease from the outlet port of the pump housing. During the reverse flow of pneumatic line grease is sucked through the suction port. In the pump spring force through follower plate exerted on the top surface of the grease make the suction of the grease positive & easier. Pneumatic grease pump is available in adjustable discharge & multiport with adjustable discharge in each port.



### CONSTRUCTION

There is a reservoir mounted on the pump body for storage of grease. A tell tale rod connected for sensing grease level.

- Check valve is inbuilt in pump on the outlet port of the pump to stop reverse flow of grease into the pump through outlet port.
- To bleed air entrapped in the system, there is a plug on the pump body which is to be opened till continuous flow of grease starts coming.
- The adjusting screw is provided in order to vary in output of the grease by tightening the screw the output of grease decreases and vice versa.
- It is must to put filter regulator unit in the pneumatic line fed to the pump. This will ensure that pneumatic line going to the pump is dust and moisture free.

### FILLING

Grease filling in the reservoir can be grease filling pump. For those who wants to fill grease by another pump, a 1/4" BSP ports is provided on front side

Note : no need grease filling pump for elec pn. Grease pump/dispenser.

**NOTE :** Discharge & Reservoir Capacity Provided as per customer requirement.

### Technical specifications

MODELS	Reservoir capacity	Discharge/Stroke	Delivery Pressure Max.	Input Pressure
LPnGP 500-3	.5 Kg.	0-3 grams (Adj.)	80 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LPnGP 1500-4	1.5 Kg.	0-4 grams (Adj.)	400 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LPnGP 1500-10	1.5 Kg.	0-10 grams (Adj.)	150 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LPnGP 3000-12	3.00 Kg.	0-12 grams (Adj.)	120 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LPnGP 5000-15	5.00 Kg.	0-15 grams (Adj.)	100 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LPnGP 10000-20	10.00 Kg.	0-20 grams (Adj.)	100 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LPnGP 20000-22	20.00 Kg.	0-22 grams (Adj.)	100 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LEPnGP 5000-3 L/H/Sv	5.00 Kg.	0-3 grams (Adj.)	80 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LEPnGP 8000-4 L/H/Sv	8.00 Kg.	0-4 grams (Adj.)	400 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LEPnGP 8000-0-10 L/H/Sv	8.00 Kg.	0-10 grams (Adj.)	120 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>
LEPnGP 20000-3 L/H/Sv	20.00Kg.	0-3 grams (Adj.)	80 Kg/cm <sup>2</sup>	5-7 Kg/cm <sup>2</sup>

**Optional :** \*Limit switch / Proximity sensor for low & high level indication (Extra cost). \*Grease filter fitted will be in outlet port or primary line (Extra cost).

## MANUAL GREASE PUMPS

### APPLICATION

This pump suitable for grease lubrication to bearing & other moving part of machines ( Low viscosity Grease)

### WORKING

On pulling the handle of pump, grease are sucked through suction port on pushing handle of pump grease comes out under pressure through check value. Spring pressure through follower plate exerted over the top surface of the grease further helps to push the grease in suction port.

### EQUIPMENT

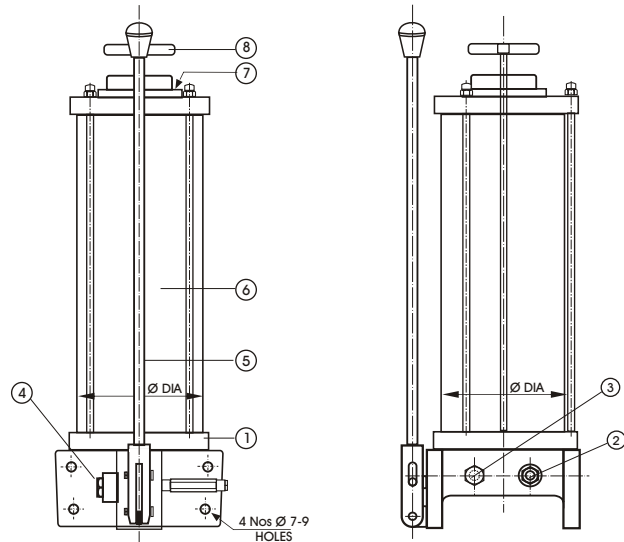
Pump is made up of purely transparent acrylic reservoir for storage of grease. For sensing the Grease level a tell tale rod is provide and follower plate assembly for help in positive suction of grease. It contains two outlet part of 1/4" BSP right and left side in which one is used as air bleed valve and second port used as a outlet. To check reverse flow of grease, a non return valve is provide in the system at the outlet port.

### FILLING OF GREASE

Grease can be filled manually or with another pump. Filling from pump 1/4" BSP port is provide. Manually, we have to remove follower plate, spring, top cover and fill the grease from the top of the reservoir and to fit all the components by pressure . For air removing unscrew the bleed plug pull the handle maximum out and press the follower plate by knob till grease comes out from bleed plug.

### DISTRIBUTION SYSTEM

A Progressive block is used to distribute the grease to the available lubrication points in sequence one after another. Progressive Blocks are added as per requirement.



**PART NAME**

1 PUMP BODY	4 BLEED PLUG	7 TOP COVER
2 OUTLET PORT-1/4" BSP	5 LEVER	8 TELL TALE ROD ASSY.
3 GREASE FILLING NIPPLE	6 RESERVOIR	

### Technical Specifications

MODEL	RESERVOIR CAP.	DISCHARGE	MAX. PRESSURE	WALL MOUNTING
LMGP - 500 - 3	0.5 Kg.	3cc / Stroke	300 Kg. / Cm <sup>2</sup>	4 Holes, 7 Dia
LMGP - 1000 - 4	1.0 Kg.	4cc / Stroke	250 Kg. / Cm <sup>2</sup>	4 Holes, 7 Dia
LMGP - 1500 - 8	1.5 Kg.	8cc / Stroke	200 Kg. / Cm <sup>2</sup>	4 Holes, 9 Dia
LMGP - 5000 - 8	5 Kg.	8cc / Stroke	200 Kg. / Cm <sup>2</sup>	4 Holes, 9 Dia



### PROGRESSIVE DISTRIBUTOR BLOCKS (OIL & GREASE)

Progressive distributor blocks of LPB-4555 (Secondary Line) / LPB-6080 (Primary Line) series are meant for distribution of grease/oil delivered by a pump. From this progressive block we get lubricant in sequently one after another. Any one outlet is blocked then the progressive block will stop functioning. with suitable monitoring devices, this blockages is sensed and suitable warning is given to avoid running the machine without proper lubrication. These blocks can be used for intermittent / continuous lubrication.

#### Technical Specifications

MODEL	LPB-4555-3-6	LPB-4555-4-8	LPB-4555-5-10	LPB-4555-6-12	Or-As per Req.
MODEL	LPB-6080-3-6	LPB-6080-4-8	LPB-6080-5-10	LPB-6080-6-12	Or-As per Req.
MODEL	LPB-80100-3-6	LPB-80100-4-8	LPB-80100-5-10	LPB-80100-6-12	Or-As per Req.

**NOTE :** Indicator pin & Proximity switch can be provided as per customers requirement with additional cost.

Model LPB 80100 use for havy duty machinery (Approx primary line more then 12mm up to 25mm. Inlet & outlet port 1/2" BSP)

## MULTILINE RADIAL LUBRICATOR

### APPLICATION

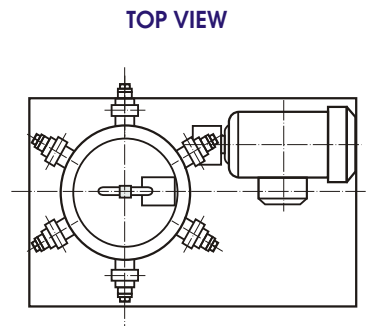
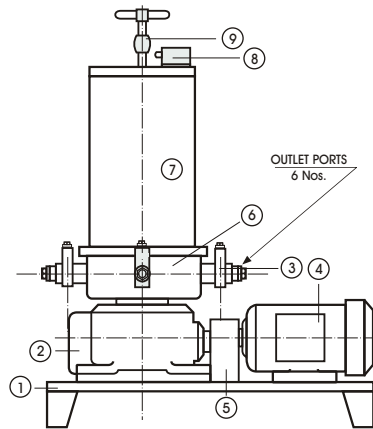
Multiline Radial Lubricator is best suited for machine /plant where lubrication is required with high pressure continuously / intermittently for individual point. This lubricator are used for machine / plant like rolling mill, sugar plant, cement plant, rubber mixing machine, forging hammer, stone crusher, spong iron plant etc.

### CONSTRUCTION

This lubricator comprise of a single pumping station having a number of plunger pump placed radically and fitted on to the outer periphery of the housing. Each plunger unit is given a reciprocating motion with the help of a cam. The cam rotates with the help of an electric motor and speed reduction gear box. These all plunger pump are connected to the lubrication point directly / progressive block by mean of tube, rubber hose, compression type fitting, clamping etc. Do not plug out put of any pumping unit.

### FILLING OF LUBRICANTS

Grease filling in the reservoir can be done manually as well as with the help of other pump. For pump ¼" BSP port is provided on reservoir.



### PARTS NAME

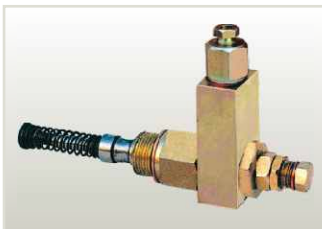
- |                |                  |                            |
|----------------|------------------|----------------------------|
| 1 BASE PLATE   | 4 MOTOR          | 7 RESERVOIR                |
| 2 GEAR BOX     | 5 COUPLING GUARD | 8 LIMIT SWITCH (OPTIONAL)  |
| 3 PLUNGER PUMP | 6 PUMP HOUSING   | 9 TELL TALE ROD (OPTIONAL) |

### Technical Specifications

MODEL	LM RL-5-6 / LM RL-5-6 (LX)	LM RL-10-6 / LM RL-10-6 (LX)	LM RL-15-12 / LM RL-15-12 (LX)
Reservoir Capacity	5 Ltrs.	10 Ltrs.	15 Ltrs.
No. of pump elements	6 Pump elements	6 Pump elements	12 Pump elements
Discharge of Pump/cycle (Adj.)	0.10 to 0.25-cc (Max. 6 gm/minute) per pump element.	0.10 to 0.25-cc (Max. 6 gm/minute) per pump element.	0.10 to 0.25-cc (Max. 6 gm/minute) per pump element.
Gear Box reduction ratio	50 : 1	50 : 1	50 : 1
Power of motor	0.25- H.P. 415 Volt AC, 3 Phase	0.25- H.P. 415 Volt AC, 3 Phase	0.25 H.P. 415 Volt AC, 3 Phase
Motor rpm	1440 rpm syn.	1440 rpm syn.	1440 rpm syn.
Working Pressure Oil/Grease	200/300 Kg/Cm <sup>2</sup> Maximum.	200/300 Kg/Cm <sup>2</sup> Maximum.	200/300 Kg/Cm <sup>2</sup> Maximum.

**NOTE :** 1. (LX) Transparent Reservoir, 2. Reservoir Capacity Provided as per customer requirement.

### PUMP ELEMENTS



**PUMP ELEMENT OR PLUNGER** is specially used with radial lubricator which gives metered amount of lubricant to outlet. The discharge for these pumps can be adjusted by an adjusting screw. These are of compact type of pumps where doses can be increased or decreased as per the requirement of the machines from 0.05cc to 0.25cc per stroke. (Adjustable) ie 5 gms/minute. The number of pump elements are supplied as per the requirement of the customers/ lubricatable area. These plungers can be best suited where pressure requirement is high and continuous lubrication is must.

### DOSE FEEDER (DUAL LINE BLOCKS)



Dual line grease feeder is made of steel having two input ports connected with two outlet lines of pumping station. Outlet ports of dose feeder are connected to lubrication points by means of tubing (pipelines). The connection of dose feeders have been shown in the flow diagram. At the another side of dose feeder an adjusting screw has been provided for adjusting the quantity of grease as per requirement. Functioning of each dose feeder can be noticed by the movement of indicating pin. Dose feeder is available in discharge range of 0.5 to 5 gm/cycle (adjustable). It comes with different number of outlets i.e. 1/ 2/ 3 and 4.



## DUAL LINE MANUAL GREASE PUMP



This is a manually operated type of grease pump with two outlets 'A' & 'B'. The line can be changed with the help of lever as per requirement. It is available in the different transparent poly carbonate (imported) reservoir capacity i.e. 2kg, 5kg. It can be used for feeding grease to bearings, bushes, chains, slides and other moving parts of a machine.

### Technical specification

MODELS	LDMGP-2000-8	LDMGP-3000-8	LDMGP-5000-8
Reservoir capacity	2Kg.	3 Kg	5 Kg.
Max. Discharge	8 gm. / stroke	8 gm. / stroke	8 gm. / stroke
Delivery Pressure Max.	250 Kg/cm <sup>2</sup>	250 Kg/cm <sup>2</sup>	250 Kg/cm <sup>2</sup>
Grease grade	NLGI - I / II	NLGI - I / II	NLGI - I / II

## DUAL LINE GREASE LUBRICATION SYSTEM



### APPLICATION

Dual line grease lubrication system is used where large distance in lubrication points. This is high pressure pump and used in steel plants, cement plants, Turbine generator, furnaces, sugar plants, sponge iron plants etc. These system comprising of a single pumping station having pumping elements and fitted on the outer periphery of the housing. Reservoir also mounted on housing and fitted on base plate with motor, gear box, change over valve, pressure gauge.

### WORKING

When system starts, then grease will deliver to main line and it will finally reach to connected lubrication points through dose feeder. Once grease has delivered to all points connected with one line, the pressure will rise in the corresponding line as pump is still supplying grease. As soon as pressure crosses set pressure value pressure reversing valve, through control panel actuates. Grease starts flowing into second line. Delivery of grease to lubricating points take place and pressure rised again. When it crosses set pressure of end relay, the system will stop. Cycle is over and it confirm lubrication to all points. Now after preset 'OFF' time system starts again and repeats the same process.

### Technical specification

MODELS	LDLGLS-50	LDLGLS-100	LDLGLS-200
Reservoir capacity	50 Kg.	100 Kg.	200 Kg.
Max. Discharge	400 gm/min.	450 gm/min.	500 gm/min.
Delivery Pressure Max.	900 Kg/cm <sup>2</sup>	800 Kg/cm <sup>2</sup>	900 Kg/cm <sup>2</sup>
Grease grade	NLGI - I / II	NLGI - I / II	NLGI - I / II

#### End pressure relay :-

It sense the end pressure and gives signal to change over valve through control panel. For checking the pressure two pressure gauge are provided.

#### Electric control panel :-

Panel has the features main on indication, Manual and auto mode indication, Line one and two on indication, Line fault indication, Motor trip indication, Emergency stop button and other standard control. This control panel is available as per customer requirements.

#### Grease transfer pump :-

Grease transfer pump is pneumatic version. This pump is directly mounted in the barrel. It transfer the grease to the reservoir of pumping station.



## HAND OPERATED MOBILE GREASE FILLING SYSTEM

- LHMFGS-0.50** (Reservoir Cap.-500g.) Discharge-8 gms per stroke, Max. Pr.-100Kg/Cm<sup>2</sup>,
- LHMFGS-5** (Reservoir Cap.-5 Kg.) Discharge-8 gms per stroke, Max. Pr.-100Kg/Cm<sup>2</sup>, with Rubber hose & grease adopter.
- LHMFGS-10** (Reservoir Cap.-10 Kg.) Discharge-10 gms per stroke, Max. Pr.-125Kg/Cm<sup>2</sup>, with Rubber hose & grease adopter.
- LHMFGS-20** (Reservoir Cap.-20 Kg.) Discharge-10 gms per stroke, Max. Pr.-150Kg/Cm<sup>2</sup>, with Rubber hose & grease adopter.

**NOTE:** Remove the pressure plate or dead weight from the bottom of reservoir before filling the grease in the reservoir. Insert the pressure plate or dead weight in reservoir after filling the grease in the reservoir.



## AIR OPERATED MOBILE GREASE FILLING SYSTEM

- LAMGFS-0.50** (Reservoir Cap.-500g.) Discharge-8 gms per stroke, Max. Pr.-100Kg/Cm<sup>2</sup>,
- LAMGFS-25 (Mobile)** Res. Cap.-25 Kg. Disc. 300 to 400 gms per minute, Max. Pr.-125 Kg/Cm<sup>2</sup>. with rubber hose, Grease gun & Trolley mounted.
- LAMGFS-50 (Mobile)** Res. Cap.-50 Kg. Disc. 300 to 400 gms per minute, Max. Pr.-125 Kg/Cm<sup>2</sup>. with rubber hose, Grease gun & Trolley mounted.
- LAMGFS-200** Suitable for drum Cap.-200 Kg, Disc. 800 to 900gms Per minute, Max. Pr.-150Kg/Cm<sup>2</sup>, Air input pressure 5-7 Kg/Cm<sup>2</sup>. with rubber hose & grease gun. This pump is suitable for transfer the grease with greater discharge.

**NOTE:-** Drum shown in the figure is not the part of item.



## MOTORISED MOBILE GREASE FILLING SYSTEM

- LMGFS-25 (Mobile)** Motor 0.25 HP., 1440 rpm. 440V. AC Three Phase Reservoir Cap.-15 Kg. Discharge- 4 Kg. per hour, Max. Pr.-125 Kg/Cm<sup>2</sup>. with Trolley mounted.
- LMGFS-50 (Mobile)** Motor 2 HP., 1440 rpm. 440V. AC Three Phase Reservoir Cap.-50 Kg. Discharge-16 Kg. per hour, Max. Pr.-800 Kg/Cm<sup>2</sup>. with Trolley mounted.
- LMGFS-100 (Mobile)** Motor 2 HP., 1440 rpm. 440V. AC Three Phase Reservoir Cap.-100 Kg. Discharge-20 Kg. per hour, Max. Pr.-700 Kg/Cm<sup>2</sup>. with Trolley mounted.
- LMGFS-200** Motor 2 HP., 1440 rpm. 440V. AC Three Phase Suitable for transfer the grease, drum Cap.-180 Kg. Discharge-200 Kg. per Hour, Max. Pr.-120 Kg/Cm<sup>2</sup>.

**NOTE :-** Trolley Provided as per customer requirement. Drum shown in the figure is not the part of item.

## 12/24V DC RADIAL LUBRICATOR



**MODEL-LDCRL-2-3, 5-3**

Reservoir Capacity 2, 3, 5 Ltrs, number of plunger pump - 3, Discharge 0 to 0.5cc per stroke/ Element (Adj.), Max. Pressure 100 Kg/Cm<sup>2</sup>, 12V DC / 24V DC input supply.

## OIL FEEDER (with solenoid valve)



**MODEL-LOF - 500 / S.V**

**Reservoir capacity**  
100, 250,500, 1000gms.

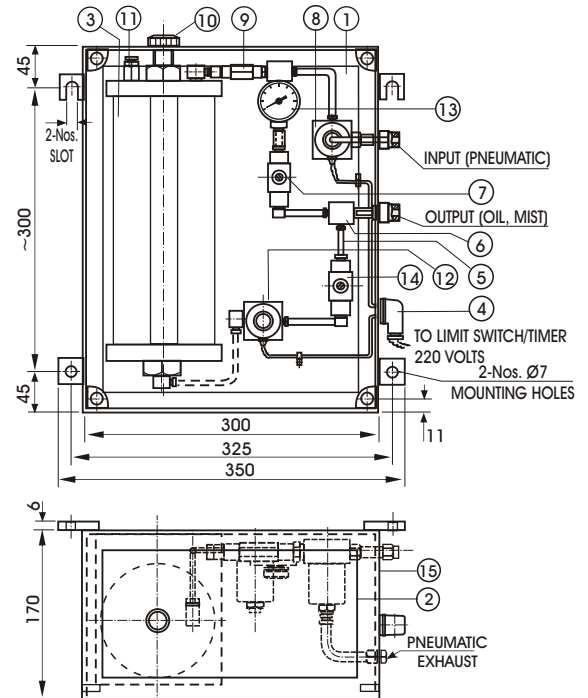
## GREASE FEEDER



**MODEL-LGF - 500**

**Reservoir capacity**  
100, 250, 500gms.

## OIL MIST LUBRICATION SYSTEMS



### PART NAME

01. BASE PLATE
02. TOP COVER (ACRYLIC)
03. OIL RESERVOIR
04. CONNECTION CONDUIT (ELECTRICAL)
05. LUB. LINE
06. AUTOMISER
07. FLOW CONTROL VALVE (Pneumatic)
08. SOLENOID VALVE FOR AIR LINE
09. NON RETURN VALVE
10. OIL FILLER PLUG
11. AIR RELIEF VALVE
12. SOLENOID VALVE FOR OIL-220 VOLTS
13. PRESSURE GAUGE
14. FLOW CONTROL VALVE (Oil)
15. MIST BOX

### Technical Specification

<b>LOMLS 1500-4</b>	(intermittent lubrication.) Reservoir capacity 1.5 Ltrs., Air pressure req. 4-6 Kg/cm <sup>2</sup> , input voltage 220V. / 24V. DC. Lubricant : any lubricant with viscosity 10-1000 c St at 40°C.
<b>LOMLS 5000-8</b>	(continuous lubrication.) Reservoir capacity 5 Ltrs., Air pressure req. 4-6 Kg/cm <sup>2</sup> , input voltage 220V. / 24V. DC. Lubricant : any lubricant with viscosity 10-1000 c St at 40°C.

**NOTE :** Mist lubricator designed by customer requirement.

### APPLICATION

Mist Lubrication System which is best suited for conveyor, Machine tools spindle, Sponge iron plant & Cement plant. bearing etc.

### CONSTRUCTION

In Mist Lubrication System used the pump for carrying the oil up to atomizer. In atomizer two port is provided one for oil another for air. This pump is pneumatically operated as well as motorised. Pneumatic pump is suitable for intermittent lubrication. We can get continuous lubrication also. In this pump an acrylic /metallic reservoir with a capacity 2Ltr. / 5Ltr., Discharge (Adjustable) Input air Pressure 3 to 5 Kg/Cm<sup>2</sup> (accordingly customers requirements also.) and oil filling port is provided on the top. Through air pressure. Oil comes in junction block (atomizer).

Motorised pump is suitable for continuous /intermittent and multi point lubrication. Through motorised pumps lubrication come in atomizer with the help of progressive block /metering cartridge/control valve from the atomizer we get the mist lubrication.

### WORKING

Mist Lubrication System is basically pneumatic operated. Air controlled by on off solenoid valve. The air is used for broken the oil in small fragments (1-5 micron) for this work is one port air and another oil fed in atomizer. From the outlet of atomizer made mist lubrication. Feeding the oil upto atomizer we used motorised / pneumatic pump.

## HYDRAULIC POWER PACK AND CYLINDER



Hydraulic power packs are equipped with positive displacement type gear pump/ vane pump/ plungers pump capable of generating a line pressure of upto 500 bar. Our range covers power packs with 1/4HP to 100HP motors.

It mainly consist of reservoir, pump, electric motor, direction control valves fitted on state of the art designed manifold blocks , pressure relief valve , pressure gauges , suction strainers , breathers , oil level indicators , oil coolers , magnetic separators , return line fillers , fitters clogging indicators with all inter connected pipe lines.

We provide specially designed manual pump operated power packs for various applications like bridge construction sites packs.

Separate power packs can be designed to meet customer`s requirements. A manual pump (foot operated) is also provided in case of electric failure.



## (O.C.S.) OIL RECIRCULATING SYSTEMS

These system are recirculatory type, where oil is recirculated in a closed circuit to save costly oil. It supplies continues desired quantity of properly conditioned filtrated cool oil to individual or group of points. Lube oil system are designed and manufactured as per standards and customers specifications.

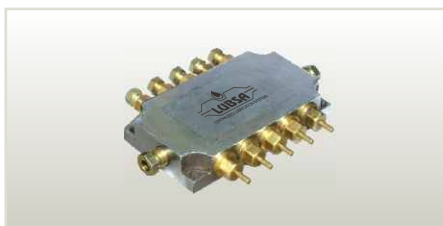


### Applications

- Steam, gas and water turbines.
- Gear boxes
- Heavy duty motors
- Industrial fans
- Boiler feed descaler pumps
- Compressors
- Cement plants raw mill, coal mill
- Cement mill power house equipments
- Ball and tube mill
- Paper plant machinery
- Sugar plant machinery
- Steel plant- rolling mill, wire and rod mill, morgoil systems.
- Any other machinery which requires continues oil lubrication.

### Features

- System are custom built, tailor made, packaged unit skid mounted, ready for installation and piping to parent machine, in simplex as well as duplex arrangements. Fabricated oil tank to hold required quantity of oil with accessories i.e. Mainhole, breather cum filler, oil level indicators, level switches for level control, baffles, drain valve, heater etc.
- Rotary gear, screw or centrifugal type pumps with built in relief valve, connected with electric motor. Filters of basket, self cleaning type, micron rating 10 micron onward depend on application. Material of element S.S wiremesh, paper, felt, fibre etc.
- Oil cooler to cool oil, horizontal or vertical, shell and tube type, plate type etc.
- Instrument panel consisting of pressure gauges, pressure switches, temperature gauges, temperature switches, RTD, flow switch, level switches, etc to keep control of the different parameters.
- Control panel is designed for higher degree of sophistications to control above, parameters and automatic changeover of pump, oil coolers, filters, change of flow path.
- Various valve are incorporated, check valve, gate, globe, ball, plug, relief valve, pressure control valve etc.
- Material of construction have various combination depending on end use, environment, pressure, temperature etc.



### TAKE OFF METERING INJECTOR

TAKE OFF metering injector works on a different principle than the normal metering injectors. Normal metering injector discharge the oil at the ON position of pump. The TAKE OFF injector gets charged at the ON position of pump and the spring loaded piston (indicator pin) ejects out. This injector discharges the oil at the OFF condition of pump and the spring loaded piston (indicator pin) will go back. A non return valve has been provided at each injectors to retain the oil in the injectors. It is available in the different dosages and can be supplied as per customers' requirement.

Working Pressure : 5 to 30 Kg/Cm<sup>2</sup>, Viscosity of oil : 20-500cst.

### Technical Specifications :

MODEL	LMT-001 (Outlets-1)		LMT-002 (Outlets-2)		LMT-003 (Outlets-3)		LMT-004 (Outlets-4)		LMT-005 (Outlets-5)	
Dosage in cc	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2
Dosage in Drops	3	6	3	6	3	6	3	6	3	6



### THROTTLE VALVE

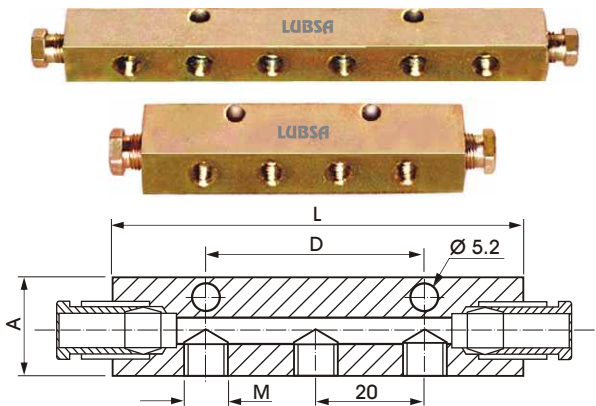
These valves have been designed for discharge the oil continuously drop by drop under low pressure of 2-4 kg/cm<sup>2</sup>. The efficiency of these valves are depend upon the purity of oil and viscosity of oil. The viscosity of oil should not be more than 68 cst. These valves can be operated with motorised / pneumatic / manual pump. These valves are available in different input thread size i.e. 1/8" B.S.P., 1/8" N.P.T., M8x1 taper etc. and outlet is suitable for 4mm OD tube.

### Technical Specification

MODEL	LM-TV - I	LM-TV - II	LM-TV - III
Drop/Minute	App. 20 Drops	App. 30 Drops	App. 40 Drops
Thread Size	1/8" BSP	1/8" NPT or M10 x1	M8x1 Taper or M10 x1

## MANIFOLDS

Manifold are required for mounting of oil distributors. These having two ports of 6mm OD tube and few side outlets. Oil distributors are screwed directly on side outlets of manifolds.



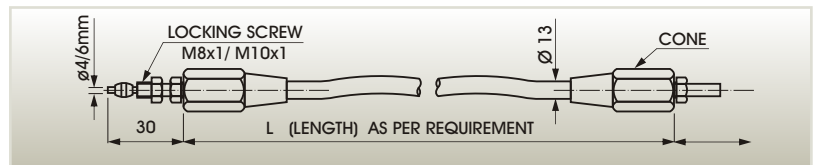
MODEL	L mm	A mm	Thickness mm	M mm	D mm	Mounting Holes
LM-1	35	18	15	M8X1	-	1
LM-2	55	18	15	M8X1	-	1
LM-3	75	18	15	M8X1	40	2
LM-4	95	18	15	M8X1	40	2
LM-5	115	18	15	M8X1	40	2
LM-6	135	18	15	M8X1	60	2
LM-7	155	18	15	M8X1	60	2
LM-8	175	18	15	M8X1	60	2
LM-9	195	18	15	M8X1	60	2
LM-10	215	18	15	M8X1	60	2
LM-1A	40	22	22	M10X1	-	1
LM-2A	65	22	22	M10X1	-	1
LM-3A	90	22	22	M10X1	50	2
LM-4A	115	22	22	M10X1	50	2
LM-5A	140	22	22	M10X1	50	2

## HOSES



Hose pipe 4 & 6 mm OD steel end fitting

Hoses are used to connect points where flexibility is a must and also mechanical strength required. These hoses are available with 4mm and 6mm steel end fittings with working pressure of 28 Kg/cm<sup>2</sup> to 200 Kg/cm<sup>2</sup>. OD of these hoses is 13mm and ID of 6.3 mm. The length of hose pipes can be supplied as per customer requirement.

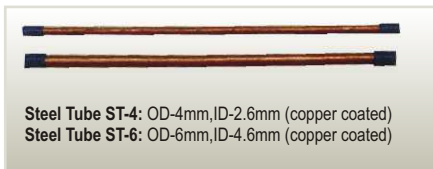


## TUBES

Steel Tube :- These are copper coated welded with thickness of 0.7mm. 6mm OD tube used as a main line & 4mm OD tube used as a secondary line.

Nylon Tube :- These are semi transparent flexible tube of material nylon 6. These tube use where lubrication point is movable.

### STEEL TUBES



Steel Tube ST-4: OD-4mm, ID-2.6mm (copper coated)  
Steel Tube ST-6: OD-6mm, ID-4.6mm (copper coated)

### NYLON TUBES



Nylon Tube NT-6: OD-6mm, ID-4mm, Material Nylon-6  
Nylon Tube NT-4: OD-4mm, ID-2mm, Material Nylon-6  
Colour Natural & Transparent (suitable for moving points)

### MECHANICAL PROTECTION SPRING



Mechanical Protection Spring  
Safe guard of 4 mm & 6 mm OD Nylon tube from Hot chips, temperature & friction from M/c.

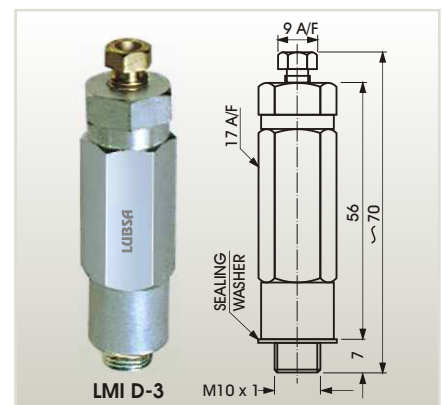
## METERING CARTRIDGES



LMI D-1



LMI D-2



LMI D-3

These are valve which eject metered amount of oil to the each lubrication point. It requires recharging time of minimum 1 minute between two cycles. An individual oil distributor is required for individual lubrication point. In order to ensure that correct amount of lubrication point, oil distributor of correct dosage should be selected.

### Technical Specification

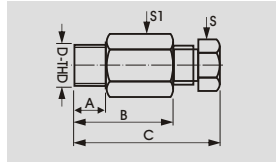
LMI D-1	Dosage 0.01cc, 0.03 cc, 0.05 cc, 0.10 cc, 0.16 cc per stroke.
LMI D-2	Dosage 0.25 cc, 0.40 cc per stroke.
LMI D-3	Dosage 1.0 cc, 1.60 cc, Per stroke

**Note :** We are manufacturing injectors in both BRASS and M.S.

## FITTINGS

### STRAIGHT CONNECTORS

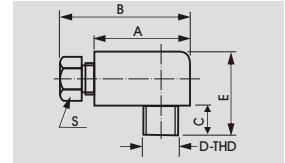
\*TAPER



MODEL	Suitable for tube	D	A	B	C	S	S1
LSC-4/M6X1	4 mm. 'OD'	M6X1	7	17	25	9	11
*LSC-4T/M8X1	4 mm. 'OD'	M8X1	7	17	25	9	11
LSC-4/M10X1	4 mm. 'OD'	M10X1	7	17	25	9	11
*LSC-4T/1/8"BSP	4 mm. 'OD'	1/8"BSP	7	17	25	9	11
*LSC-4T/1/4"BSP	4 mm. 'OD'	1/4"BSP	7	26	34	9	19
LSC-6/M6X1	6 mm. 'OD'	M6X1	7	22	32	11	13
LSC-6/M8X1	6 mm. 'OD'	M8X1	7	22	32	11	13
*LSC-6T/M10X1	6 mm. 'OD'	M10X1	7	22	32	11	13
LSC-6/1/8"BSP	6 mm. 'OD'	1/8"BSP	7	22	32	11	13
LSC-6/1/4"BSP	6 mm. 'OD'	1/4"BSP	7	26	34	11	19

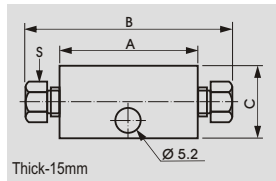
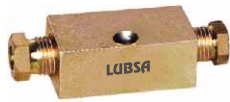
### ELBOWS

\*TAPER



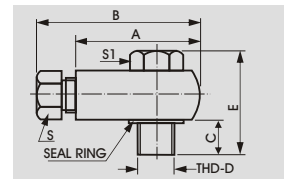
MODEL	Suitable for tube	D	A	B	C	E	S
*LE-4T/M6X1	4 mm 'OD'	M6X1	22	30	10	21	9
*LE-4T/M8X1	4 mm 'OD'	M8X1	22	30	10	21	9
*LE-4T/M10X1	4 mm 'OD'	M10X1	22	30	10	24	9
*LE-4T/1/8"BSP	4 mm 'OD'	1/8"BSP	22	30	10	24	9
*LE-4T/1/4"BSP	4 mm 'OD'	1/4"BSP	25	30	12	26	9
*LE-6T/M6X1	6 mm 'OD'	M6X1	22	32	10	21	11
*LE-6T/M8X1	6 mm 'OD'	M8X1	22	32	10	21	11
*LE-6T/M10X1	6 mm 'OD'	M10X1	22	32	10	24	11
*LE-6T/1/8"BSP	6 mm 'OD'	1/8"BSP	22	32	10	24	11
*LE-6T/1/4"BSP	6 mm 'OD'	1/4"BSP	25	35	12	26	11

### CONNECTOR BLOCKS



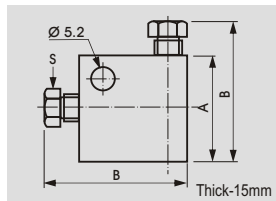
MODEL	Suitable for tube	C	A	B	S
LC-4	4 mm 'OD'	18	35	50	9
LC-6	6 mm 'OD'	18	35	55	11

### BANJO (4mm)



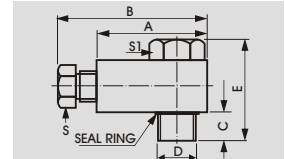
MODEL	Suitable for tube	D	A	B	C	E	S	S1
LB-4/M6X1	4 mm 'OD'	M6X1	25	33	7	22	9	9
LB-4/M8X1	4 mm 'OD'	M8X1	25	33	7	22	9	11
LB-4/M10X1	4 mm 'OD'	M10X1	27	35	7	22	9	13
LB-4/1/8"BSP	4 mm 'OD'	1/8"BSP	27	35	7	22	9	13

### ELBOW BLOCKS



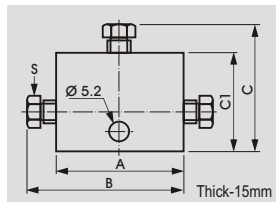
MODEL	Suitable for tube	A	B	S
LE-4	4 mm 'OD'	25	33	9
LE-6	6 mm 'OD'	25	35	11

### BANJO (6mm)



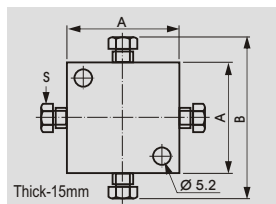
MODEL	Suitable for tube	D	A	B	C	E	S	S1
LB-6/M8X1	6 mm. 'OD'	M8X1	27	37	7	22	11	13
LB-6/M10X1	6 mm. 'OD'	M10X1	27	37	7	22	11	13
LB-6/1/8"BSP	6 mm. 'OD'	1/8"BSP	27	37	7	22	11	13
LB-6/1/4"BSP	6 mm. 'OD'	1/4"BSP	30	40	8	33	11	17

### TEE BLOCKS



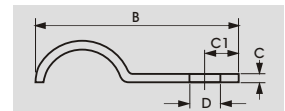
MODEL	Suitable for tube	C1	C	A	B	S
LT-4	4 mm 'OD'	27	37	35	45	9
LT-6	6 mm 'OD'	27	37	35	45	11

### CROSS BLOCKS



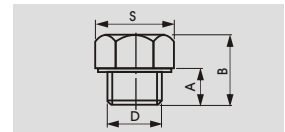
MODEL	Suitable for tube	A	B	S
LCR-4	4 mm 'OD'	35	50	9
LCR-6	6 mm 'OD'	35	55	11

### CLAMPS



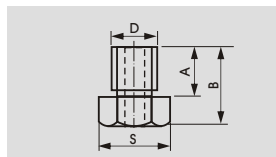
MODEL	Suitable for tube	Suitable for	D	C1	B	C
LC-4-1	4 mm 'OD'	1 Tube	5.5	6	20	1.5
LC-4-2	4 mm 'OD'	2 Tube	5.5	6	23	1.5
LC-4-3	4 mm 'OD'	3 Tube	5.5	6	26	1.5
LC-6-1	6 mm 'OD'	1 Tube	5.5	6	20	1.5
LC-8-1	6 mm 'OD'	2 Tube	5.5	6	26	1.5
LC-10-1	10 mm 'OD'	1 Tube	6.5	7	28	2.0

### PLUGS



MODEL	Sealing Washer	D	A	B	S
LP-8	SW-8 mm 'OD'	M8X1	5	10	11
LP-10	SW-10 mm 'OD'	M10X1	5	10	13
LP-1/4"BSP	SW-1/4"BSP 'OD'	1/4"BSP	9	15	17
LP-1/2"BSP	SW-1/2"BSP 'OD'	1/2"BSP	12	19	22

### LOCKING SCREW



MODEL	Suitable for tube	D	A	B	S
LS-4	4 mm 'OD'	M8X1	8.5	12.5	11
LS-6	6 mm 'OD'	M10X1	11	15	13

### LOCKING CONE (Ferule)



MODEL	Suitable for tube	
LLC-4 Brass	4 mm	Material brass ID-4mm
LLC-6 Brass	6 mm	Material brass ID-6mm
LLC-10 All.	10 mm	Material All./M.S. ID-10mm





CENTRALISED LUBRICATION SYSTEMS

## SPARES



### FLOAT SWITCH

MODEL	DESCRIPTION
LM FSV-1	For motorised lub. unit, for electrically oil level sensing NC contact
LM FSV-2	For motorised lub. unit, for electrically oil level sensing NO + NC contact



### PRESSURE SWITCH

MODEL	DESCRIPTION
LM PS-H30	Pressure switch used in motorised unit for Sensing pressure.
LM PS-H10	Pressure switch used in motorised unit for Sensing pressure.
SP 1PS-315	Pressure switch used in grease & oil at high pressure



### PRESSURE GAUGE

MODEL	DESCRIPTION
LM PG	For measure the working pressure of lubrication systems. Range 0 - 28, 0 - 200, 0 - 400, 0 - 600 Kg/Cm <sup>2</sup> .



### RELIEF VALVE

MODEL	DESCRIPTION
LM RV-030-A	Used for pressure setting in Lubricating units.
LM RV-065	Used for pressure setting in Lubricating for grease and oil.



### OIL FILLER CUM AIR BREATHER

MODEL	DESCRIPTION
LM B-03	Used for oil filling cum air breathing in lubricating Units.
LM B-05/08	Used for oil filling cum air breathing in lubricating Units.
LM D	Used for gear box



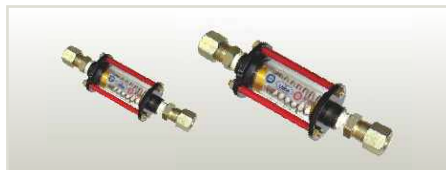
### SUCTION STRAINER

MODEL	DESCRIPTION
LM SS-03	For 3Ltrs. Motorised lubrication unit.
LM SS-05	For 5Ltrs./8Ltrs. Motorised lubrication unit.
LM SS-50	For 10 to 100 Ltrs. Oil recirculating system.



### SIGHT GLASS

MODEL	DESCRIPTION
LM SG-25	Tube dia 25mm. OD, Inlet & Outlet port 1/8" BSP.
LM SG-38	Tube dia 38mm. OD, Inlet & Outlet port 1/8" BSP.



### OIL FLOW INDICATOR

MODEL	DESCRIPTION
LM FS-010	Oil flow switch for 0-10 Lpm. Inlet & outlet port 1/4" & 1/2" BSP. 1NO+1NC contact Read switch rating 1Amp. 220V. AC.
LM VFI-25	Oil visual flow indicator with 1/4" BSP. Inlet & outlet for 0-10 Lpm.



### IN LINE FILTER

MODEL	DESCRIPTION
LM IF-13	Inline filter for Oil upto 149 micron filtration Inlet & outlet port 1/4", 1/2", 3/4", 1" & 1 1/2" BSP.

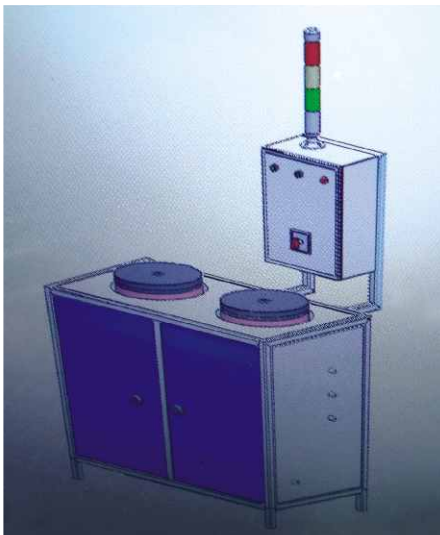


### FLOW SWITCH OIL & GREASE

MODEL	DESCRIPTION
LFS-0/G	Inlet & outlet port 1/8" BSP to 1" BSP.

## SPECIAL PURPOSE MACHINES

Special Purpose Machines are those machines which are made only for specific process and on specific product. These are used in mass production. LUBSA has developed itself as the leader of Special Purpose Machine manufacturer or we can describe it as Special Purpose Machines or SPM are those Machine which are not Available off the shelf. These are not covered in standard manufacturing programs. There fore they have to be Designed & Tailor Made as Per the Customers Specific Requirements.





AN ISO 9001-2015 CO.



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**A SOURCE OF COMPLETE OIL /GREASE EQUIPMENTS RESEARCH & DEVELOPMENT CENTRE**

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(An ISO 9001:2015 Certified Company)

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*Note : Specifications are subject to be changed without any notice.*

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